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Buryat ASSR

Scientific Research Institute

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Summary prepared 84 10 30 from Russian by Irene Steckler

NAME: Siberian Institute of Geomagnetism, Ionosphere, and Radiowave Dissemination

ORIGINAL NAME: Sibirskiy institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln

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INFORMATION: The Siberian Institute of Geomagnetism, Ionosphere, and Radiowave Dissemination is conducting on-going solar research in the Sayan foothills of the Tunginskaya (possibly Tunga) Valley in the Buryat ASSR. The work is being carried out with the aid of the most highly perfected modern telescope: it consists of 256 spherical radio antennas arranged in the form of a cross and constituting a unified system -- a kind of mirror with a 622-m diameter. Computers are used to control this complex astrophysical system. With their assistance, information about solar processes can be analyzed in greater depth and scope and with improved accuracy.

The giant radiotelescope makes it possible to study in detail phenomena of the universe. Such knowledge is becoming more and more essential for life on earth and conquest of cosmic space.

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